DEPARTMENT OF THE AIR FORCE
Headquarters Air Force Technical Applications Center
Patrick AFB FL 32925-6001

CENTER REGULATION 55-2
Volume VII
1 April 1988

Operations

SPECIFIC STATION REQUIREMENTS FOR DETACHMENT 421

This regulation establishes the procedures for station unique operations and analysis. It applies to all active duty Air Force members assigned to the station. Personnel who violate the specific prohibitions and requirements of this regulation may be prosecuted under the Uniform Code of Military Justice (UCMJ).

Distribution limited to DoD and DoD contractors only; to protect information and technical data which advance the state-of-the-art or describe new technology in an area of significant or potentially significant military application, 1 April 1988. Other requests shall be referred to HQ/DOSB.

1. **Station Designator.** The station designator for Detachment 421 is ASAS. Use ALS ALAL for the three element entry and station designator on data messages. Mark CEN Forms 10, using the appropriate color, with the first two letters of the station designator.

2. **Special Data Reports.** Submit special data reports in accordance with Volume I.

3. **Timing Standard.** Navy Navigation Satellite System time.

4. **Routine Calibrations.** Perform SPS and LPS calibrations sequentially using the Central Terminal, commencing immediately after 0030Z. Use an amplitude factor 4 (100mu) for the SPS and an amplitude factor 2 (10u) for the LPS.

5. **EDIT Tape Registration Numbers.** 5800-5899.

6. **Training Outage.** Outage authorized in Vol I is granted for Wednesday from 2300Z through 0200Z, Thursday.

7. **Data Reporting.** Regional (OUNCE) events having calculated ground motions of three millimicrons/second or less for the initial PEEP phase, and/or an average period of 0.5 seconds or less, as displayed on an individual vertical develocorder channel, need not be included in routine data reports.

8. **SPS Develocorder Presentations:**

   a. Primary Develocorder:

TRACE	DATA	MAG	ASN CHAN	DISP ID	SCALE	DEV SENS VOLTAGE
1	SZ2BP36014	2000K	SPDS01	SPN360	1.0	0.305
2	SZ2BP06014	2000K	SPDS02	SPN060	1.0	0.305
3	SZ2BP12014	2000K	SPDS03	SPN120	1.0	0.305
4	SZ2BP18014	2000K	SPDS04	SPN180	1.0	0.305
5	SZ2BP24014	2000K	SPDS05	SPN240	1.0	0.305
6	SZ2BP30014	2000K	SPDS06#	SPN300	1.0	0.305
7	SZ2BP00099	2000K	SPDS07#	SPZ000	1.0	0.305
8	SZ2BP32818	2000K	SPDS08#	SPS328	1.0	0.305
9	SZ2BP23524	2000K	SPDS09	SPY235	1.0	0.305
10	SZ2I72M	100K	SPDS14#	SPRW23	1.0	0.976
11	SZ2I72H	500K	SPDS14#	SPRW23	1.0*	0.976
12	SN2I72H	500K	SPDS15#	SPRW24	1.0*	0.976
13	SE2I72H	500K	SPDS16#	SPRW25	1.0*	0.976

\# Display recorded on another develocorder channel at equal or different gain.
* Change channel display scale to 0.2 for develocorder sensitivity checks.

11. Central Terminal Configuration Parameters:

    a. General Site Configuration (Menu Selection 3):

Site ID Number	04
Number of 9600 BPS Lines	1
Number of 4800 BPS Lines	0
Number of analog channels	8
Number of 544 Boards	3
Number of SPRTs	19
Number of LPRTs	0
Number of BBRTs	1

    b. RT- Specific Configuration (Menu Selection 4):

RTID	RT ADDR	PORT ADDR	C/V DELAY	TIME SLOT
SP01	1***	1	V	1
SP02	1***	1	V	2
SP03	1***	1	V	3
SP04	1***	1	V	4
SP05	1***	1	V	5
SP06	1***	5	V	1
SP07	1***	5	V	2
SP08	1***	5	V	3
SP09	1***	5	V	4
SP10	1***	5	V	5
SP11	1***	9	V	1
SP12	1***	9	V	2
SP13	1***	9	V	3
SP14	1***	9	V	4
SP15	1***	10	V	1
SP16	1***	10	V	2
SP17	1***	10	V	3
SP18	1***	10	V	4
SP19	1***	2	V	1
BB01	3***	21	V	1

        *** = Specific RT serial number

    c. Analog Channel Configuration (Menu Selection 5):

Analog Channel	RTID	GAIN
0		
1		
2		
3		
4	** All channels are site selectable **	
5		
6		
7		

    d. First Message to TUS Contents (Menu Selection 6):

Number of SPRTs in First Message	19
Number of LPRTs in First Message	0
Number of BBRTs in First Message	1

    e. 12 Bit A/D/A Channel Gain Assignments (Menu Selection 7):

CHANNEL	RTID	GAIN
S01	SP01	48
S02	SP02	48
S03	SP03	48
S04	SP04	48
S05	SP05	48
S06	SP06	48
S07	SP07	48
S08	SP08	48
S09	SP09	48
S10	SP10	48
S11	SP11	48

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          18,7.828,-2.629
          19,5.967,-4.214
          LP COORDINATES:
          0,0,0
          1,0,0,C
          SP FREQUENCY FILTER PARAMETERS:
          50
          0.0006,0.0005,-.0002,-.0012,-.0022,-.0026,-.0024,-.0016,-.0007,-.0004
          -.0007,-.0015,-.0022,-.0020,-.0009,0.0010,0.0028,0.0038,0.0036,0.0025
          0.0014,0.0014,0.0027,0.0049,0.0067,0.0068,0.0046,0.0008,-.0031,-.0052
          -.0046,-.0024,-.0010,-.0029,-.0095,-.0192,-.0280,-.0316,-.0276,-.0188
          -.0120,-.0161,-.0354,-.0648,-.0869,-.0777,-.0174,0.0911,0.2099,0.2658
          0.2099,0.0911,-.0174,-.0777,-.0869,-.0648,-.0354,-.0161,-.0120,-.0188
          -.0276,-.0316,-.0280,-.0192,-.0095,-.0029,-.0010,-.0024,-.0046,-.0052
          -.0031,0.0008,0.0046,0.0068,0.0067,0.0049,0.0027,0.0014,0.0014,0.0025
          0.0036,0.0038,0.0028,0.0010,-.0009,-.0020,-.0022,-.0015,-.0007,-.0004
          -.0007,-.0016,-.0024,-.0026,-.0022,-.0012,-.0002,0.0005,0.0006
          LP FREQUENCY FILTER PARAMETERS:
          0
          0.9999
          SP BEAM PARAMETERS:
          SPN360,0,000,14.0,B
          SPN060,0,060,14.0,B
          SPN120,0,120,14.0,B
          SPN180,0,180,14.0,B
          SPN240,0,240,14.0,B
          SPN300,0,300,14.0,B
          SPZ000,0,0,0,B
          SPS328,0,328,18.0,B
          SPY235,0,235,24.0,B
          SPN090,0,090,14.0,B
          SPU115,0,115,20.0,B
          SPK070,0,070,12.0,B
          LP BEAM PARAMETERS:
          LPB36Z,1,000,3.5,B
          SP PROCESSING DELAY = 80
          LP PROCESSING DELAY = 1
          SECONDS PER RECORD = 3

     b.   CPU 2:
          CONFIGURATION IDENTIFICATION = Cxxxx-2LL
          OPERATE2 IDENTIFICATION = OPERATE2
          SITE IDENTIFICATION = 421
          LP DATA AND INSTRUMENT TYPE (A,31,36) = 36
          NUMBER OF SHORT PERIOD ARRAY CHANNELS = 19
          NUMBER OF SHORT PERIOD OTHER CHANNELS = 9
          NUMBER OF LONG PERIOD ARRAY CHANNELS = 3
          NUMBER OF LONG PERIOD OTHER CHANNELS = 0
          NUMBER OF SHORT PERIOD PROCESSES = 12
          NUMBER OF LONG PERIOD PROCESSES = 1
          NO SP CHANNELS TO BE TRANSMITTED VIA HSM = 0
          NO LP CHANNELS TO BE TRANSMITTED VIA HSM = 0
         *NUMBER OF CONTACT SENSOR MONITORS = 5
         *NUMBER OF A/D CHANNEL CHANNEL MONITORS = 1
          AMOUNT OF SP EDIT TIME DELAY REQUIRED = 0
          AMOUNT OF LP EDIT TIME DELAY REQUIRED = 0
          SP COORDINATES:
          0,0,0
          1,4.768,0.190
          2,3.367,-1.411
          3,1.623,-0.883
          4,2.578,0.752
          5,4.455,1.910
          6,6.856,2.090
          7,6.715,0.100
          8,5.701,-1.669
          9,3.809,-3.677
          10,1.022,-3.400
          11,-0.631,-1.326
          12,0.054,0.002
          13,-0.965,1.601
          14,0.658,1.624
          15,0.833,3.435
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LPB36Z,1,000,3.5,B
*RELAY IDENTIFIERS AND NORMAL STATUS FOR EACH CONTACT SENSOR MONITOR:
B.DOOR,1
KSPOWR,1
LYNRK1,1
LYNRK2,1
LYNRK3,1
*IDENTIFIERS AND LIMITS FOR EACH A/D CHANNEL MONITOR:
LNPOWR,-9.5,9.5
SECONDS PER RECORD = 1
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* Monitors may be added/modified at the station's discretion

OFFICIAL   JAY J. JAYNES, Colonel, USAF
                                                  Commander

RICHARD E. COOK, SMSgt, USAF
Director of Administration

SUMMARY OF CHANGES
LP develocorder display changed. CT hardware settings changed. New SP Beamsteer filter added.